ALPHA VAC

阿尔法真空

Vacuum Generators & Pumps

Every gripster needs vacuum. Our venturi generators make it on the spot from shop compressed air with no moving parts to wear, so the vacuum sits centimetres from the gripper and the response is instant.

26 order codes · 3 families

INDUSTRIAL VACUUM GRIPPERS AND GRIPSTERS

Vacuum Generators & Pumps

GUST

Compact single-stage venturi, fast, simple, inline

CYCLONE

Multi-stage venturi, high suction flow for big or leaky loads

VORTEX

Valve-integrated generator, vacuum, blow-off and control in one

GUST GST

COMPACT SINGLE-STAGE VENTURI, FAST, SIMPLE, INLINE

A compact single stage venturi that feeds a gripster with vacuum straight from shop air, mounted right at the tool for instant response.

APPLICATIONS

single-cup pick and place, compact EOAT, light handling

85 %	20 to 90	0.7 to 1.5	1
MAX VACUUM	SUCTION FLOW, NL/MIN	NOZZLE BORE, MM	EJECTOR STAGES

Range and specifications (8 order codes)

Order code	Nozzle bore	Vacuum port	Max vacuum	Suction flow	Air use	Weight
AV-GST-N07-G18	0.7 mm / 0.028 in	G1/8	85 %	20 Nl/min	27 Nl/min	136 g
AV-GST-N07-G14	0.7 mm / 0.028 in	G1/4	85 %	20 Nl/min	27 Nl/min	136 g
AV-GST-N09-G18	0.9 mm / 0.035 in	G1/8	85 %	32 Nl/min	45 Nl/min	142 g
AV-GST-N09-G14	0.9 mm / 0.035 in	G1/4	85 %	32 Nl/min	45 Nl/min	142 g
AV-GST-N12-G18	1.2 mm / 0.047 in	G1/8	85 %	58 Nl/min	79 Nl/min	151 g
AV-GST-N12-G14	1.2 mm / 0.047 in	G1/4	85 %	58 Nl/min	79 Nl/min	151 g
AV-GST-N15-G18	1.5 mm / 0.059 in	G1/8	85 %	90 Nl/min	124 Nl/min	160 g
AV-GST-N15-G14	1.5 mm / 0.059 in	G1/4	85 %	90 Nl/min	124 Nl/min	160 g

CYCLONE CYC

MULTI-STAGE VENTURI, HIGH SUCTION FLOW FOR BIG OR LEAKY LOADS

A multi stage venturi for high flow. When a gripster faces porous or leaky loads, CYCLONE keeps the vacuum up where a single stage would fade.

APPLICATIONS

porous cartons, large area grippers, high-flow depalletising

90 %	127 to 550	1.2 to 2.5	3
MAX VACUUM	SUCTION FLOW, NL/MIN	NOZZLE BORE, MM	EJECTOR STAGES

Range and specifications (12 order codes)

Order code	Nozzle bore	Vacuum port	Max vacuum	Suction flow	Air use	Weight
AV-CYC-N12-G14	1.2 mm / 0.047 in	G1/4	90 %	127 Nl/min	79 Nl/min	201 g
AV-CYC-N12-G38	1.2 mm / 0.047 in	G3/8	90 %	127 Nl/min	79 Nl/min	201 g
AV-CYC-N12-G12	1.2 mm / 0.047 in	G1/2	90 %	127 Nl/min	79 Nl/min	201 g
AV-CYC-N15-G14	1.5 mm / 0.059 in	G1/4	90 %	198 Nl/min	124 Nl/min	210 g
AV-CYC-N15-G38	1.5 mm / 0.059 in	G3/8	90 %	198 Nl/min	124 Nl/min	210 g
AV-CYC-N15-G12	1.5 mm / 0.059 in	G1/2	90 %	198 Nl/min	124 Nl/min	210 g
AV-CYC-N20-G14	2 mm / 0.079 in	G1/4	90 %	352 Nl/min	220 Nl/min	225 g
AV-CYC-N20-G38	2 mm / 0.079 in	G3/8	90 %	352 Nl/min	220 Nl/min	225 g
AV-CYC-N20-G12	2 mm / 0.079 in	G1/2	90 %	352 Nl/min	220 Nl/min	225 g
AV-CYC-N25-G14	2.5 mm / 0.098 in	G1/4	90 %	550 Nl/min	344 Nl/min	240 g
AV-CYC-N25-G38	2.5 mm / 0.098 in	G3/8	90 %	550 Nl/min	344 Nl/min	240 g
AV-CYC-N25-G12	2.5 mm / 0.098 in	G1/2	90 %	550 Nl/min	344 Nl/min	240 g

VORTEX VTX

VALVE-INTEGRATED GENERATOR, VACUUM, BLOW-OFF AND CONTROL IN ONE

A generator with vacuum, blow off and control in one body, so a gripster picks, releases fast and saves air between cycles.

APPLICATIONS

energy-saving cells, fast release cycles, integrated automation

88 %	52 to 144	0.9 to 1.5	2
MAX VACUUM	SUCTION FLOW, NL/MIN	NOZZLE BORE, MM	EJECTOR STAGES

Range and specifications (6 order codes)

Order code	Nozzle bore	Vacuum port	Max vacuum	Suction flow	Air use	Weight
AV-VTX-N09-G18	0.9 mm / 0.035 in	G1/8	88 %	52 Nl/min	45 Nl/min	167 g
AV-VTX-N09-G14	0.9 mm / 0.035 in	G1/4	88 %	52 Nl/min	45 Nl/min	167 g
AV-VTX-N12-G18	1.2 mm / 0.047 in	G1/8	88 %	92 Nl/min	79 Nl/min	176 g
AV-VTX-N12-G14	1.2 mm / 0.047 in	G1/4	88 %	92 Nl/min	79 Nl/min	176 g
AV-VTX-N15-G18	1.5 mm / 0.059 in	G1/8	88 %	144 Nl/min	124 Nl/min	185 g
AV-VTX-N15-G14	1.5 mm / 0.059 in	G1/4	88 %	144 Nl/min	124 Nl/min	185 g